







A <u>counterexample</u> is an example that shows that a conjecture is incorrect.

Problem 5 Finding a Counterexample

What is a counterexample for each conjecture?

- a. If a flower is red, it is a rose.
- b. One and only one plane exists through any three points.
- c. When you multiply a number by 3, the product is divisible by 6.

a. tulips, poppy b. points can't be collinear c. $3 \cdot 3 = 9$ $9 \div 6 = 1.5$ 3·1 = 3 3÷6 /